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PTO/SB/87 (08-03)

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**Total Number of Pages (Including this sheet):** 16

**Sent to:** Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RE:** Response to Office Action Mailed 7/14/2005

**Serial No:** 10/729,509

**Filing Date:** 12/04/2003

**Examiner:** Thomas A. Beach

**Group Art Unit:** 3671

**Sent with this Cover Sheet:** 1. Response to Office Action Mailed 7/14/2005  
2. Transmittal Form PTO/SB/21

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PTO/SB/21 (09-04)

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FORM**

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Total Number of Pages in This Submission

Application Number

10729,509

Filing Date

12/04/2003

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First Named Inventor

James E. Chitwood

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Art Unit

3671

SEP 14 2005

Examiner Name

Thomas E. Beach

Attorney Docket Number

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input checked="" type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> <input type="checkbox"/> under 37 CFR 1.52 or 1.53		
<b>Remarks</b>		
1. "Response to Office Action Mailed 7/14/2005"		
2. Separate "Certificate of Transmission Under 37 CFR 1.8"		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

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*William Banning Vail III*

Date

*9/14/2005*

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11 Signature: William Banning Vail III  
12 Printed Name: William Banning Vail III  
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**18 RESPONSE TO OFFICE ACTION MAILED 7/14/2005**

**20**      **SERIAL NUMBER:** 10/729,509

22 FILING DATE: 12/04/2003

24      EXAMINER: THOMAS A. BEACH

**26 GROUP ART UNIT: 3671**

27

30 SECOND NAMED INVENTOR: WILLIAM BANNING VAIL, III

TITLE: HIGH POWER UMBILICALS FOR ELECTRIC FLOWLINE  
IMMERSION HEATING OF PRODUCED HYDROCARBONS

"RESPONSE TO OFFICE ACTION  
MAILED 7/14/2005"  
Serial No. 10/729,509  
Rig-2

- 1 -

1       September 14, 2005  
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4       Commissioner for Patents  
5       P.O. Box 1450  
6       Alexandria, VA 22313-1450  
7  
8

9       Dear Sir:

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11           This Amendment/Reply is sent to the USPTO in response to  
12       the July 14, 2005 Office Action.

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15       ADDITIONAL DOCUMENTS ACCOMPANYING  
16       THIS TRANSMITTAL LETTER:

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18           1. Transmittal Form PTO/SB/21

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20           2. Separate Certificate of Transmission Under  
21       37 CFR 1.8

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25           The list of current Claims begins on page 3 of this  
26       paper. The Remarks begin on page 7 of this paper.

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"RESPONSE TO OFFICE ACTION  
MAILED 7/14/2005"  
Serial No. 10/729,509  
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